Filter / Regulator

B39

Specifications

<table>
<thead>
<tr>
<th>Flow Capacity*</th>
<th>3/4</th>
<th>250 SCFM (118 dm³/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>250 SCFM (118 dm³/s)</td>
<td></td>
</tr>
<tr>
<td>Adjusting Range Pressure</td>
<td>0 to 125 PSIG (0 to 8.6 bar)</td>
<td></td>
</tr>
<tr>
<td>Gauge Port</td>
<td>NPT</td>
<td>1/4</td>
</tr>
<tr>
<td>Maximum Supply Pressure</td>
<td>250 PSIG (17.2 bar)</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>32° to 175°F (0° to 80°C)</td>
<td></td>
</tr>
<tr>
<td>Port Size†</td>
<td>NPT</td>
<td>3/4, 1</td>
</tr>
<tr>
<td>Standard Filtration</td>
<td>5 Micron</td>
<td></td>
</tr>
<tr>
<td>Weight</td>
<td>5.3 lb. (2.4 kg)</td>
<td></td>
</tr>
</tbody>
</table>

* Inlet pressure 100 PSIG (6.9 bar). Secondary pressure 90 PSIG (6.2 bar).
† Port blocks available for BSPP thread & 1-1/2" port.

Type “A” 5 micron elements: All Wilkerson Type “A” 5 micron elements meet or exceed ISO Class 3 for maximum particle size and concentration of solid contaminants.

Materials of Construction

- Body & Bowl: Aluminum
- Element Retainer, Deflector and Baffle: Plastic
- Filter Element: Sintered Polyethylene
- Piston: Plastic
- Seals: Nitrile
- Sight Gauge: Polyamide (Nylon)
- Springs: Steel
- Valve Assembly: Brass / Nitrile

Features

- 5 Micron Filtration
- Balanced Valve Design
- Solid Control Piston for Extended Life
- 3/4" and 1" NPT Ports
- Port Blocks Available for BSPP Thread and 1-1/2" Port
- Quick Disconnect Bowl
- High Flow Capacities

Dimensions

<table>
<thead>
<tr>
<th>Models</th>
<th>Inches (mm)</th>
<th>A</th>
<th>A(PB)</th>
<th>B</th>
<th>C</th>
<th>D†</th>
<th>E†</th>
<th>F</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Unit</td>
<td></td>
<td>3.62 (92)</td>
<td>5.91 (150)</td>
<td>3.62 (92)</td>
<td>6.38 (162)</td>
<td>9.57 (243)</td>
<td>15.95 (405)</td>
<td>4.92 (125)</td>
</tr>
<tr>
<td>B39-XX-FL00</td>
<td></td>
<td>3.62</td>
<td>5.91</td>
<td>3.62</td>
<td>6.38</td>
<td>9.57</td>
<td>15.95</td>
<td>4.92</td>
</tr>
</tbody>
</table>

† With Manual or Internal Auto Drain

WARNING

Product rupture can cause serious injury. Do not connect regulator to bottled gas. Do not exceed maximum primary pressure rating.

CAUTION:

REGULATOR PRESSURE ADJUSTMENT – The working range of knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

For best performance, regulated pressure should always be set by increasing the pressure up to the desired setting.
Replacing Bowl Kits
Metal Bowl –
  Sight Gauge / Internal Auto Drain .......... P3NKA00BSA
  Sight Gauge / Manual Drain ............... P3NKA00BSM

Replacing Element Kits
40 Micron ............................................. P3NKA00ESG

Replacing Kits
Service Kit –
  Relieving ............................................ P3NKA00RR
  Non-relieving ...................................... P3NKA00RN
Springs –
  1 to 60 PSIG Range ............................. C10A1304
  2 to 125 PSIG Range ......................... C10A1308
  5 to 250 PSIG Range ........................... C10A1317

Accessories
Bowl Latch Kit ........................................ C11A33
Control Knob ....................................... P3NKA00PN
Drain Kit –
  Internal Auto Drain ............................. PS506
  Manual Drain ...................................... PS512
Gauges, Pressure –
  0 to 60 PSIG (0 to 4 bar), 2" Dial Face, 1/4" NPT, CBM .................... K4520N14060
  0 to 160 PSIG (0 to 11 bar), 2" Dial Face, 1/4" NPT, CBM .................... K4520N14160
  0 to 300 PSIG (0 to 20 bar), 2" Dial Face, 1/4" NPT, CBM .................... K4520N14300
  0 to 160 PSIG, 1-3/4" Digital Round, 1/4" NPT .......................... K4517N14160D
Mounting Bracket Kit ............................ P3NKA00MW
Sight Gauge Kit .................................. P3NKA00PE

Ordering Information

<table>
<thead>
<tr>
<th>Model Type</th>
<th>Port Size</th>
<th>Metal Bowl / Sight Gauge Without Gauge 2 to 125 PSIG (0.4 to 8.6 bar)</th>
<th>Metal Bowl / Sight Gauge With Gauge 2 to 125 PSIG (0.4 to 8.6 bar)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manual Drain</td>
<td>3/4</td>
<td>B39-06-FL00</td>
<td>B39-06-FLG0</td>
</tr>
<tr>
<td>Manual Drain</td>
<td>1</td>
<td>B39-08-FL00</td>
<td>B39-08-FLG0</td>
</tr>
</tbody>
</table>

Options - To order an option supplied with the unit model, add the appropriate coded suffix letter in the designated position of the model number.

= “Most Popular”